



PATENT
Customer No. 22,852
Attorney Docket No. 08505.0007-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Andrew John THOMAS) Group Art Unit: 3711
)
Application No.: 10/611,861) Examiner: Steven B. Wong
)
Filed: July 3, 2003) Confirmation No.: 3836
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For: A BALL)
)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents listed on the attached form PTO 1449. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Copies of the listed documents are attached.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art

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against any claims in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

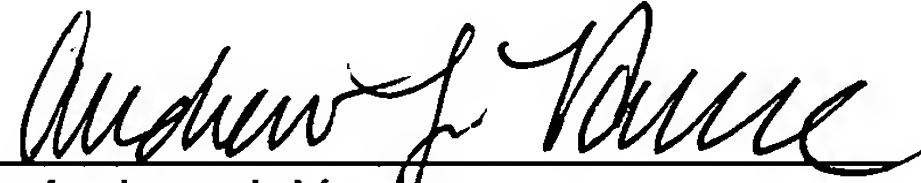
Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: July 6, 2004

By: 
Andrew J. Vance
Reg. No. 45,174

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	08505.0007-01	Appln. No.	10/611,861
Applicant	Andrew John THOMAS		
Filing Date	July 3, 2003	Group:	3711 Examiner: Steven B. Wong

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Mehta, "An Overview of Cricket Ball Swing," submitted for publication in Sports Engineering Journal
	Mehta, "Cricket Ball Aerodynamics: Myth Versus Science," paper presented at the 3 rd International Conference on The Engineering of Sport, Sydney, Australia, June 9-12, 2000, sponsored by the International Sports Engineering Association (ISEA); also in "The Engineering of Sport, Research, Development and Innovation," (Eds. Subic et al.) (Oxford, UK; Blackwell Science, 2000), pp. 153-67
	Pallis et al., "Aerodynamics and hydrodynamics in sports," paper presented at the 4 th International Conference on the Engineering of Sport, Kyoto, Japan, September 3-6, 2002
	Mehta et al., "Tennis Ball Aerodynamics and Dynamics," Invited Chapter in Book: "Biomedical Engineering Principles in Sports" (Ed. Hung), Kluwer Academic/Plenum Publishers, MA, 2003
	Pallis et al., "Chapter 6: Balls and Ballistics," Invited Chapter for Book: Materials in Sports, Woodhead Publishing Ltd., England, 2003
	Mehta, et al., "Sports Ball Aerodynamics: Effects of Velocity, Spin and Surface Roughness," Keynote Paper presented at the Materials and Science in Sports Conference, April 22, 25, 2001, Coronado, CA
	Pallis et al., "Tennis Science Collaboration Between NASA and Cislunar Aerospace," Paper presented at the 1 st International Congress on Tennis Science and Technology, London, England, August 1-4, 2000, sponsored by the International Tennis Federation (ITF), Blackwell Science, Oxford, UK, pp. 135-44

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Mehta et al., "The Aerodynamics of a Tennis Ball," Sports Engineering, Vol. 4, Issue 4, pp. 177-89, Nov. 2001
	Mehta et al., "Aerodynamics of the cricket ball," New Scientist, vol. 87, no. 1213, August 7, 1980
	Mehta, "Aerodynamics of Sports Balls," Ann. Rev. Fluid Mech., 17:151-89, 1985
	Mehta, "Flying objects get a good airing," Physics World, Vol. 10, No. 10, pp. 52-53, October 1997
	Bown et al., "What makes a ball swing?," Independent on Sunday, Newspaper, London, England, pp. 19, August 7, 1994
	Bown et al., "The seamy side of swing bowling," New Scientist, vol. 139, no. 1887, pp. 21-24, August 21, 1993
	Articles from Indian Newspapers: "NASA to help TCCB counter ball-tampering," and "Scientist joins ball-tampering controversy," August 1994
	Articles from The Independent Newspaper, "NASA on the ball," and "English board turn to NASA expert," August 1994
	Article from the Sunday Times, London, August 7, 1994, "Scientist helps in cricket controversy"
	Bown, "NASA man called in over ball-tampering," Article from the Independent on Sunday, No. 236, August 7, 1994
	Article from Review, "The secrets of swing," July 30, 1994
	Mehta et al., "Factors Affecting Cricket Ball Swing," Nature, vol. 303, pp. 787-88, June 30, 1983
	Article from The Times, London, July 1, 1983, "Cricket ball secrets tumble"
	Article from New Scientist, "Why balls swing," July 14, 1983
	Article from Nature, "Not as it seams!," September 1983
	Article from Daily Mail, "Secret of Swing Bowling Is Not All It Seams," July 2, 1983
	Mehta et al., "Balls in Flight A Mystery Explained," Science Now, Vol. 1, Part 1, pp. 10-13, 1983
	Bentley et al., "An Experimental Study of Cricket Ball Swing," Department of Aeronautics, Aero Technical Note, 82-106, Imperial College, London, June 1982
	Mehta, "A Review of the Theory of Boomerangs," Final Year Undergraduate Project Report, Aeronautical Engineering Department, Queen Mary College, University of London, 1975

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